

Amendments to the Claims:

Claims 1-4 (Cancelled).

5. (New) A seal with integrated sealing and rotation measuring capabilities to be installed on a wheel support bearing assembly including a non-rotational bearing element and a rotational bearing element capable of rotating relative to the non-rotational bearing element, comprising:

a first slinger having an L-shaped cross section including a first cylindrical portion extending axially and a first flanged portion extending radially from said first cylindrical portion;

a seal ring arranged axially inward of said first slinger and to be secured to the non-rotational bearing element, said seal ring including an elastic seal lip having a tip making sliding contact with a surface of said first slinger facing said seal ring;

a second slinger arranged axially inward of said seal ring, said second slinger having an L-shaped cross section including a second cylindrical portion extending axially and a second flanged portion extending radially from said second cylindrical portion, said second cylindrical portion to be secured to the rotational bearing element, said first cylindrical portion of said first slinger being secured to said second cylindrical portion of said second slinger; and

an encoder operable to generate pulses, said encoder being arranged on said second flanged portion of said second slinger; and

a sensor facing said encoder and operable to respond to the pulses generated by said encoder.

6. (New) The seal of claim 5, wherein said first cylindrical portion and said second cylindrical portion are joined together by fitting one of said first cylindrical portion and said second cylindrical portion into or around the other of said first cylindrical portion and said second cylindrical portion.

7. (New) The seal of claim 5, wherein said elastic seal lip of said seal ring comprises a first elastic seal lip, said seal ring further including a second elastic seal lip having a tip making sliding contact with a surface of said second cylindrical portion facing said seal ring.

8. (New) The seal of claim 5, wherein said elastic seal lip of said seal ring comprises a first elastic seal lip having a portion extending in a radially inward direction and a portion extending in an axially inward direction so as to make sliding contact with a surface of said first cylinder portion of said first slinger, said seal ring further including a second elastic seal lip having a portion extending in a radially inward direction and a portion extending in an axially outward direction so as to make sliding contact with said surface of said first cylinder portion, and said seal ring further including a third elastic seal lip having a portion extending in an axially outward direction and a portion extending in a radially outward direction so as to make sliding contact with an inner surface of said first flanged portion of said first slinger.

9. (New) The seal of claim 5, wherein said elastic seal lip of said seal ring comprises a first elastic seal lip having a portion extending in a radially outward direction and a portion extending in an axially inward direction so as to make sliding contact with a surface of said first cylinder portion of said first slinger, said seal ring further including a second elastic seal lip having a portion extending in a radially outward direction and a portion extending in an axially outward direction so as to make sliding contact with said surface of said first cylinder portion, and said seal ring further including a third elastic seal lip having a portion extending in an axially outward direction and a portion extending in a radially inward direction so as to make sliding contact with an inner surface of said first flanged portion of said first slinger.

10. (New) The seal of claim 5, wherein said first slinger, said seal ring, said second slinger, said encoder, and said sensor are incorporated into a single unit for installation on the wheel support bearing assembly.

11. (New) The seal of claim 5, wherein each of said first cylindrical portion of said first slinger and said second cylindrical portion of said second slinger has an inner surface closest to the rotational bearing element and an outer surface opposite said inner surface and farthest from the rotational bearing element, said outer surface of said first cylindrical portion being overlaid on said inner surface of said second cylindrical portion.

12. (New) A seal with integrated sealing and rotation measuring capabilities to be installed on a wheel support bearing assembly including a non-rotational bearing element and a rotational bearing element capable of rotating relative to the non-rotational bearing element, comprising:

- a first slinger having an L-shaped cross section including a first cylindrical portion extending axially and a first flanged portion extending radially from said first cylindrical portion, said first cylindrical portion to be secured to the rotational bearing element;

- a seal ring arranged axially inward of said first slinger and to be secured to the non-rotational bearing element, said seal ring including an elastic seal lip having a tip making sliding contact with a surface of said first slinger facing said seal ring;

- a second slinger arranged axially inward of said seal ring, said second slinger having an L-shaped cross section including a second cylindrical portion extending axially and a second flanged portion extending radially from said second cylindrical portion, said second cylindrical portion of said second slinger being secured to said first cylindrical portion of said first slinger; and

- an encoder operable to generate pulses, said encoder being arranged on said second flanged portion of said second slinger; and

- a sensor facing said encoder and operable to respond to the pulses generated by said encoder.

13. (New) The seal of claim 12, wherein said first cylindrical portion and said second cylindrical portion are joined together by fitting one of said first cylindrical portion and said

second cylindrical portion into or around the other of said first cylindrical portion and said second cylindrical portion.

14. (New) The seal of claim 12, wherein said elastic seal lip of said seal ring comprises a first elastic seal lip, said seal ring further including a second elastic seal lip having a tip making sliding contact with a surface of said second cylindrical portion facing said seal ring.

15. (New) The seal of claim 12, wherein said elastic seal lip of said seal ring comprises a first elastic seal lip having a portion extending in a radially inward direction and a portion extending in an axially inward direction so as to make sliding contact with a surface of said second cylinder portion of said second slinger, said seal ring further including a second elastic seal lip having a portion extending in a radially inward direction and a portion extending in an axially outward direction so as to make sliding contact with a surface of said first cylinder portion, and said seal ring further including a third elastic seal lip having a portion extending in an axially outward direction and a portion extending in an radially outward direction so as to make sliding contact with an inner surface of said first flanged portion of said first slinger.

16. (New) The seal of claim 12, wherein said elastic seal lip of said seal ring comprises a first elastic seal lip having a portion extending in a radially outward direction and a portion extending in an axially inward direction so as to make sliding contact with a surface of said second cylinder portion of said second slinger, said seal ring further including a second elastic seal lip having a portion extending in a radially outward direction and a portion extending in an axially outward direction so as to make sliding contact with a surface of said first cylinder portion, and said seal ring further including a third elastic seal lip having a portion extending in an axially outward direction and a portion extending in an radially inward direction so as to make sliding contact with an inner surface of said first flanged portion of said first slinger.

17. (New) The seal of claim 12, wherein said first slinger, said seal ring, said second slinger, said encoder, and said sensor are incorporated into a single unit for installation on the wheel support bearing assembly.

18. (New) The seal of claim 12, wherein each of said first cylindrical portion of said first slinger and said second cylindrical portion of said second slinger has an inner surface closest to the rotational bearing element and an outer surface opposite said inner surface and farthest from the rotational bearing element, said outer surface of said second cylindrical portion being overlaid on said inner surface of said first cylindrical portion.

19. (New) A seal with integrated sealing and rotation measuring capabilities to be installed on a wheel support bearing assembly including a non-rotational bearing element and a rotational bearing element capable of rotating relative to the non-rotational bearing element, comprising:

- a first slinger having an L-shaped cross section including a first cylindrical portion extending axially and a first flanged portion extending radially from said first cylindrical portion, said first cylindrical portion to be secured to the rotational bearing element;

- a seal ring arranged axially inward of said first slinger and to be secured to the non-rotational bearing element, said seal ring including an elastic seal lip having a tip making sliding contact with a surface of said first slinger facing said seal ring;

- a second slinger arranged axially inward of said seal ring, said second slinger having an L-shaped cross section including a second cylindrical portion extending axially and a second flanged portion extending radially from said second cylindrical portion, said first cylindrical portion to be secured to the rotational bearing element, a tip of said second cylindrical portion of said second slinger being secured to a tip of said first cylindrical portion of said first slinger; and

- an encoder operable to generate pulses, said encoder being arranged on said second flanged portion of said second slinger; and

a sensor facing said encoder and operable to respond to the pulses generated by said encoder.

20. (New) The seal of claim 19, wherein said first cylindrical portion and said second cylindrical portion are joined together by fitting one of said first cylindrical portion and said second cylindrical portion into or around the other of said first cylindrical portion and said second cylindrical portion.

21. (New) The seal of claim 19, wherein said elastic seal lip of said seal ring comprises a first elastic seal lip, said seal ring further including a second elastic seal lip having a tip making sliding contact with a surface of said second cylindrical portion facing said seal ring.

22. (New) The seal of claim 19, wherein said first slinger, said seal ring, said second slinger, said encoder, and said sensor are incorporated into a single unit for installation on the wheel support bearing assembly.